

What is claimed is:

- 1 1. A phantom for calibrating a CT device, said phantom
2 comprising a core block and at least two rod members positioned in said foam
3 material.
- 1 2. The phantom as described in claim 1 wherein said rod
2 members are right cylinders and are made of a plastic material.
- 1 3. The phantom as described in claim 2 wherein said plastic
2 material is an acrylic material.
- 1 4. The phantom as described in claim 2 wherein said plastic
2 material is a Delrin material.
- 1 5. The phantom as described in claim 2 wherein five rod
2 members are provided.
- 1 6. The phantom as described in claim 1 wherein said rod
2 members each have a different length.
- 1 7. The phantom as described in claim 1 wherein said foam
2 block has a longitudinal axis and said rod members are oriented in alignment with
3 said longitudinal axis.
- 1 8. The phantom as described in claim 5 wherein said core block
2 is a rectangular solid with four corners and one of said rod members is positioned
3 in the center of said core block, and the other four rod members are positioned in
4 the four corners of said core block.
- 1 9. The phantom as described in claim 1 further comprising a
2 housing member with a recess, and wherein said core block is positioned in said
3 recess.
- 1 10. The phantom as described in claim 9 further comprising at
2 least one bull nose member on said housing member.
- 1 11. The phantom as described in claim 10 further comprising at
2 least two bull nose members on said housing member.

3 12. The phantom as described in claim 9 further comprising at
4 least one handle on said housing for manual movement and placement of said
5 housing.

1 13. The phantom as described in claim 9 further comprising a
2 cover member positioned over said recess.

1 14. The phantom as described in claim 9 further comprising a
2 non-skid member on at least one surface of said housing.

1 15. A calibration device for a CT system, said device comprising
2 a plastic housing member having a predetermined size and shape to fit within the
3 CT system,
4 a foam core member positioned in said housing member, and at least
5 two plastic elongated rod members positioned in said foam core member.

1 16. The calibration device as described in claim 15 wherein said
2 foam core member is positioned in a recess in said housing member and is
3 removable therefrom.

1 17. The calibration device as described in claim 16 further
2 comprising a removable cover member for holding said core member in said recess.

1 18. The calibration device as described in claim 15 wherein said
2 housing has a lead surface at one end adapted to facilitate passage through said CT
3 system.

1 19. The calibration device as described in claim 18 wherein said
2 housing has a lead-in surface at both ends.

1 20. The calibration device as described in claim 15 wherein five
2 rod members are provided.

1 21. The calibration member as described in claim 20 wherein
2 said foam core member is a rectangular solid and one of the rod members is
3 positioned substantially in the middle of the core member and the remaining four
4 rod members are positioned closely adjacent the four corners of the rectangular
5 solid shape.